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Executing SQL over encrypted data in the database-service-provider model - all 10 versions »

H Hacigümü, B Iyer, C Li, S Mehrotra - Proceedings of the 2002 ACM SIGMOD international conference ..., 2002 - portal.acm.org

... we explore techniques to execute SQL queries over ... in bulk reduced the per-byte encryption cost significantly ... it includes protection from the database provider. ...

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Providing database as a service - all 13 versions »

H Hacigumus, B Iyer, S Mehrotra - Data Engineering, 2002. Proceedings. 18th International ..., 2002 - ieeexplore.ieee.org

... implementation was registered into the database as a ... the user de- fined function called "encrypt", and decrypt ... one would use the following SQL command to ...

Cited by 116 - Related Articles - Web Search - BL Direct

System and method for providing safe SQL-level access to a database - all 5 versions »

PP Chan... - US Patent 5,713,018, 1998 - freepatentsonline.com

... database tables 136 and a set of corresponding database index files ... of the strings is generated using a secret encryption key: encrypted SQL string=Encrypt ...

Cited by 13 - Related Articles - Cached - Web Search

Cryptography and Relational Database Management Systems - all 7 versions »

J He, M Wang - IDEAS, 2001 - doi.ieeecomputersociety.org

... Recently a major database vendor has started to support database encryption

19]. It provides a PL/SQL package to encrypt/decrypt data. ...

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Chip-secured data access: reconciling access rights with data encryption - all 9 versions »

L Bouganim, FD Ngoc, P Pucheral, L Wu - Proceedings of the 29th international conference on Very ..., 2003 - portal.acm.org

... They still rely on database encryption, but encryption and decryption ... The management of SQL queries over encrypted data complements well this approach ...

Cited by 12 - Related Articles - Web Search - BL Direct

Anti-Tamper Databases: Querying Encrypted Databases - all 11 versions »

G Ozsoyoglu, DA Singer, SS Chung - Data And Applications Security XVII: Status and Prospects: ..., 2004 - books.google.com

... for all xE DB, yEDBE) with the transformed set SE of SQL queries QE (DBE) on the database DBE. For encrypting the database DB using the encryption function 11 ...

Cited by 22 - Related Articles - Web Search

[PDF] Database encryption as an aspect - all 3 versions »

G Boström - AOSD Technology for Application-Level Security, AOSD04 ... - cs.kuleuven.ac.be

... A database field that has been encrypted on the ... level cannot be used in a SQL substring

query since ... substring will not match (Modern **encryption** algorithms swap ...

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[Chip-secured data access: confidential data on untrusted servers](#) - [all 16 versions »](#)

L Bouganim, P Pucheral - Proceedings of the 28th international conference on Very ..., 2002 - portal.acm.org

... through a predicate-based language (typically **SQL**). ... is equipped with a **database**

engine managing access rights, query evaluation and **encryption**. ...

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[Query optimization in encrypted **database** systems](#)

H HACIGÜMÜS, B IYER, S MEHROTRA - Lecture notes in computer science - cat.inist.fr

... Optimización; Optimum; Optimum; Optimo; **SQL**; **SQL**; Cryptage; **Encryption**; Cifrado;

Base donnée relationnelle; Relational **database**; Base relacional dato ...

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[\[doc\] ... on estimating the software engineering properties of implementing **database encryption** as an aspect](#)

- [all 2 versions »](#)

G Bostrom - Bergmans et al.[130] - isk.kth.se

... Suddenly **SQL**-queries did not return what they were supposed to because **encryption**

changed the way the search parameters would match with **database**. ...

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Key authors: [B Iyer](#) - [S Mehrotra](#) - [R Agrawal](#) - [J Kiernan](#) - [R Srikant](#)

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A structure preserving **database encryption** scheme - all 3 versions »

Y Elovici, R Waisenberg, E Shmueli, E Gudes - Proceedings of Secure Data Management: VLDB 2004 Workshop - Springer

... index value is the result of encrypting a **database** plaintext value ... 3. **Encryption** in the new scheme ... The following **SQL** query illustrates the retrieval of all rows ...

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Order preserving **encryption** for numeric data - all 13 versions »

R Agrawal, J Kiernan, R Srikant, Y Xu - Proceedings of the 2004 ACM SIGMOD international conference ..., 2004 - portal.acm.org

... Unfortunately, the integration of existing **encryption** techniques with **database** systems causes undesirable performance degradation. ...

Cited by 87 - Related Articles - Web Search

Database system with methods for executing system-created internal **SQL** command statements - all 4 versions »

...

EP Wildermuth - US Patent 5,950,188, 1999 - freepatentsonline.com

... and authentication can be preserved using two-key **encryption**. ... commands can be stored in **database** tables or ... By enabling an **SQL database** server to formulate **SQL** ...

Cited by 13 - Related Articles - Cached - Web Search

Implementation of a storage mechanism for untrusted DBMSs - all 4 versions »

E Damiani, SDC di Vimercati, M Finetti, S ... - Proc. of the Second International IEEE Security in Storage ..., 2003 - doi.ieeecomputersociety.org

... We consider **encryption** at the level of whole node to obfuscate ... on the client after a transfer from the encrypted **database**. ... **SQL** query SELECT * FROM R WHERE cond ...

Cited by 18 - Related Articles - Web Search

[PDF] Using **Encryption** for Secure Data Storage in Mobile **Database** Systems - all 2 versions »

T Fanghanel - ... (September, 2002) William Stallings. Advanced **Encryption** ... - minet.uni-jena.de

... letting me participate in his **encryption** experience. ... attracted me to the mobile **database** topic, never ... never lost when I neglected the **SQL** standardization work ...

Cited by 6 - Related Articles - View as HTML - Web Search

[CITATION] Considerations in implementing a **Database** Management System **Encryption** Security solution

H Brown - A Research Report presented to The Department of Computer ..., 2003

Cited by 3 - Related Articles - Web Search

Provable Security for Outsourcing **Database** Operations - all 6 versions »

S Evdokimov, M Fischmann, O Gunther - Proceedings of the 22nd International Conference on Data ..., 2006 - doi.ieeecomputersociety.org

... pro- pose a **database encryption** scheme for full **SQL** [4]. The idea is that every tuple is encrypted with a secure cipher first, then weakly encrypted attributes ...

[Cited by 4](#) - [Related Articles](#) - [Web Search](#)

[SQLServer for Windows CE-a **database** engine for mobile and embeddedplatforms](#) - [all 3 versions »](#)

P Seshadri, P Garrett - Data Engineering, 2000. Proceedings. 16th International ..., 2000 - [ieeexplore.ieee.org](#)

... I synchronize the subscription on with the **SQL** Server publication ... m to the publisher

where th publisher's **database**, Simik publisher ... **Encryption** sensitive data ...

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[Security Issues in Querying Encrypted Data](#) - [all 4 versions »](#)

M Kantarcioglu, C Clifton - Data and Applications Security XIX: 19th Annual IFIP WG 11.3 ..., 2005 - [books.google.com](#)

... Li, C., Mehrotra, S.: Executing **SQL** over encrypted ... WG 11.3 Working Conference on

Database and Applications ... R., Xu, Y.: Order-preserving **encryption** for numeric ...

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[PS] [Security Issues in the **Database** Language **SQL**](#) - [all 37 versions »](#)

WT Polk, LE Bassham - NIST Special Publication - [at.linuxfromscratch.org](#)

... interface between local and remote **database** servers ... **SQL** Specialization for connecting

SQL-compliant databases ... be minimized by employing **encryption** techniques and ...

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